



Attorney Docket No.1148D

THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Marc Albertsen et al.	1	Art Unit: 1638
Serial No.: 10/021,657	1	
Filed: December 14, 2001	1	Examiner: A. Kubelik
For: Nucleotide Sequences Mediating Fertility and Method of Using Same	1	Confirmation No. 5787

DECLARATION UNDER 37 CFR §1.131

Commissioner for Patents
Washington, D.C. 20231
Sir:

I, Tim Fox, declare and say:

I am an inventor for the above-identified application. I conceived and reduced to practice in the United States the invention claimed in the above-identified patent application prior to February, 2000, the publishing date of the reference to Genbank accession AW424821.2; prior to March, 2000, the publishing date of the reference to Genbank accession AW519943; and prior to August 2000, the publishing date of the reference to Genbank accession BE494080.1. Attached Exhibit A is the sequence of the SBMu200 gene, which sequencing was conducted at my instructions by our contractor and provided to before the dates identified above.

The invention was thus conceived and reduced to practice in the United States prior to February 2000. The Exhibit, which relates to the conception and actual reduction to practice, corresponds to the invention broadly disclosed and claimed in the above-identified application.

The undersigned declares further that all statements made herein of his own knowledge are true and all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful, false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of title 18 United States Code and that such willful false statements may jeopardize the validity of the application or any patents issuing thereon.

10/18/04

Date

Tim Fox

USSN 10/021,657
Exhibit A

(Linear) MAP of: Sb20081.Seq check: 1232 from: 1 to: 1906

REFORMAT of: Sb20081.Seq check: -1 from: 1 to: 1912 [REDACTED] 10:59
TASSEL SPECIFIC cDNA ISOLATED FROM MAIZE INBRED A632. THIS CLONE IS MISSING
THE FIRST MET, WHICH MAY BE DUE TO CLONING ARTIFACT AS COMPARED TO THE GENOMIC.
cDNA LIBRARY MADE FROM MAIZE TASSEL mRNA IN UNI-ZAP VECTOR (STRATAGENE).
SEQUENCING DONE BY LOFTSTRAND AND IS DOUBLE STRAND VERIFIED.

With 2 enzymes: ECORI XHOI

[REDACTED] ..

EcoRI

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GAATTGGCACGAGGGAAGCTCACCTCACGCCGGCAGCCATGCCATTCTCCCACTA 1 60

CTTAAGCCGTGCTCCCTTCGAGTGGAGTGCAGCGCTGCGGTAGCGTAAGAAGGGTGAT

a E F G T R E A H L T P A T P S P F F P L -

GCAGGGCCTCACAAAGTACATCGCGCTCCTCTGGTTGTCCCTCATGGATCCTGGTCAG 61 120

CGTCCCAGGTGTTCATGTAGCGCAGGAAGACCAACAGGAGAGTACCTAGGACCAGGTC

a A G P H K Y I A L L L V V L S W I L V Q -

AGGTGGAGCCTGAGGAAGCAGAAAAGGCCGAGATCATGCCAGTCATGGCGAACGGTG 121 180

TCCACCTCGGACTCCCTCGTCTTCCGGCTCTAGTACCGGTAGTAGCCGCGTTGCCAC

a R W S L R K Q K G P R S W P V I G A T V -

GAGCAGCTGAGGAACCTACCACCGGATGCACGACTGGCTTGTGGGTACCTGTCACGGCAC 181 240

CTCGTCGACTCCTGATGGTGGCCTACGTGCTGACCGAACAGCCATGGACAGTGGCGTG

a E Q L R N Y H R M H D W L V G Y L S R H -

AGGACAGTGACCGTCGACATGCCGTTACTTCCTACACCTACATCGCTGACCCGGTGAAT 241 300

TCCTGTCACTGGCAGCTGTACGGCAAGTGAAGGATGTGGATGTAGCGACTGGGCCACTTA

a R T V T V D M P F T S Y T Y I A D P V N -

GTCGAGCATGTCCTCAAGACTAACTTCACCAATTACCCAAGGGAATCGTGTACAGATCC 301 360

CAGCTCGTACAGGAGTTCTGATTGAAGTGGTTAATGGGTTCCCTAGCACATGTCTAGG

a V E H V L K T N F T N Y P K G I V Y R S -

TACATGGACGTGCTCCTCGGTGACGGCATCTTCAACGCCGACGGCGAGCTGTGGAGGAAG 361 420

ATGTACCTGCACGAGGAGCCACTGCCGTAGAAGTTGCGGCTGCCGCTCGACACCTCCCTC

a Y M D V L L G D G I F N A D G E L W R K -

CAGAGGAAGACGGCGAGTTCGAGTTGCCTCCAAGAACCTGAGGGATTCAGCGCCATT 421 480

GTCTCCTCTGCCGCTAAAGCTCAAGCGGAGGTTCTGGACTCCCTAAAGTCGCGGTAA

a Q R K T A S F E F A S K N L R D F S A I -

1081 GCGCGCGAGGAGGGCGTCACGCTCGTCTGCGGCGGCCTGACGCCGACGACAAGGCG
 1140 CGCGCGCTCCTCCCGCAGTGCAGCACGAGACGCCGCCGACTGCGGCTGCTGTTCCGC
 a A R E E G V T L V L C G G A D A D D K A -
 1141 TTGCGCCGCCCGCGTGGCGCAGTCGCGGGCCTCCTCACCTACGACAGCCTCGGCAAGCTG
 1200 AAGCGGGCGGCACCGCGTCAAGCGCCGGAGGAGTGGATGCTGTCGGAGGCCGTTGAC
 a F A A R V A Q F A G L L T Y D S L G K L -
 1201 GTCTACCTCCACGCCCTCGTCACCGAGACGCTCCGCCGTACCCCGCCGCCCTCAGGAC
 1260 CAGATGGAGGTGCGGACGCAGTGGCTCTGCGAGGCAGACATGGGGCGGCAGGGAGTCCTG
 a V Y L H A C V T E T L R L Y P A V P Q D -
 1261 CCCAAGGGGATCCTGGAGGACGACGTGCTGCCGGACGGGACGAAGGTGAGGGCCGGCGGG
 1320 GGGTTCCCCTAGGACCTCCTGCTGCACGACGCCCTGCCCTGCTTCACTCCCAGGCC
 a P K G I L E D D V L P D G T K V R A G G -
 1321 ATGGTGACGTACGTGCCCTACTCGATGGGGCGGATGGAGTACAACACTGGGGCCCCGACGCG
 1380 TACCACTGCATGCACGGGATGAGCTACCCCGCCTACCTCATGTTGACCCGGGGCTGCGC
 a M V T Y V P Y S M G R M E Y N W G P D A -
 1381 GCGAGCTTCCGGCCGGAGCGGTGGATCAACGAGGATGGCGCGTCCGCAACCGCGTCGCCG
 1440 CGCTCGAAGGCCGGCCTGCCACCTAGTTGCTCCTACCGCGCAAGGCAGTGCAGCGC
 a A S F R P E R W I N E D G A F R N A S P -
 1441 TTCAAGTTCACGGCGTTCCAGGCAGGGCCGAGGATCTGCCTGGCAAGGACTCGGCGTAC
 1500 AAGTTCAAGTGCAGGCCAGGTCCGCCGGCTCCTAGACGGACCCGTTCCGTAGCCGCATG
 a F K F T A F Q A G P R I C L G K D S A Y -
 1501 CTGCAGATGAAGATGGCGCTGCCATCCTCTTCCGCTTCTACAGCTTCCGGCTGCTGGAG
 1560 GACGTCTACTTCTACCGCGACCGTAGGAGAAGGCGAAAGATGTCGAAGGCCGACGACCTC
 a L Q M K M A L A I L F R F Y S F R L L E -
 1561 GGGCACCCGGTGCAGTACCGCATGATGACCACCTCTCCATGGCGCACGCCCTAAGGTC
 1620 CCCGTGGGCCACGTCACTGGCGTACTACTGGTAGGAGAGGTACCGCGTGCAGGGAGTTCCAG
 a G H P V Q Y R M M T I L S M A H G L K V -
 1621 CGCGTCTCTAGGGCCGTCTGATGTCATGGCGATTGGATATGGATATCGTCCCGCTTAAT
 1680 GCGCAGAGATCCCGCAGACTACAGTACCGCTAACCTATAACCTATAGCAGGGCGAATTA
 a R V S R A V * C H G D L D M D I V P L N -
 CCACGACAAATAACGCTCGTGTACAAATTGATGCGATGCGATGTAAGGGAAAGCGATGG

1681 -----+-----+-----+-----+-----+-----+-----+ 1740
GGTGTGTTATTGCGAGCACAATGTTAACGTAACGTACGTACATTCCCTTCGCTACC

a P R Q I T L V L Q I C M H A C K G K R W -

1741 GTTCATTGGTGGCTTGGCTTAAGCCTTAAAAACTCCGTCGGTCTGCGAACCAACCA
1800 CAAAGTAACCACCGAACCGAATTCGGAATTGGAGGGCAGCCCAGAACGCTGGTGGTGT

a V S L V A W L K P *

1801 TCACTAGTGTGTTGTACTCTACTCCTCAGTGGAAAGTGATGACAGCATACAAGTTCATC
-----+-----+-----+-----+-----+-----+-----+ 1860
AGTGTACACAAAACATGAGATGAGGAGTCACCTTCACATCACTGTCGTATGTTCAAGTAG

XbaI

|

ATATATATTATCCTTTCTTAAAAAAGGGGAAACTCGAG
 1861 -----+-----+-----+-----+----- 1906

TATATAATAAGGGAGAAAGAATTTTTTTTTTGAGCTC